

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: "How to Become a Radio Amateur"  
Message-ID: <Pine.SV4.3.91.960508163957.12666A-100000@mesa5.mesa.colorado.edu>

I am looking for copies (either photocopies or originals) of "How to Become A Radio Amateur" from the 1940's and 1950's. Can anyone help me?

Thanks.

Jim W0KSD

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>  
Subject: "Ranger III" survey  
Message-ID: <Pine.SUN.3.91.960509085057.18234A-100000@dot.w6bhz.calpoly.edu>

Folks:

I was just wondering. Supposing a manufacturer with BA tastes would want to create a new transmitter where the venerable EF Johnson left off with their Ranger II. Supposing they decided to keep the 6146 and 616 type modulator/power amp train. Suppose they kept the "time-sequence keying" feature. Would you folks please comment on any suggestions that could be included/deleted when referencing this "new" Ranger to the old standby Ranger 1 and 2's. ? Cal. N6KYR.

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: "Ranger III" survey  
Message-ID: <9605091721.AA100381@csemail.cropsci.ncsu.edu>

>  
> Folks:  
> I was just wondering. Supposing a manufacturer with BA tastes would want  
> to create a new transmitter where the venerable EF Johnson left off with  
> their Ranger II. Supposing they decided to keep the 6146 and 616 type  
> modulator/power amp train. Suppose they kept the "time-sequence keying"  
> feature. Would you folks please comment on any suggestions that could be  
> included/deleted when referencing this "new" Ranger to the old standby  
> Ranger 1 and 2's. ? Cal. N6KYR.  
>

Welllllllll, let's a'see 'ere, folks.....

For starters, make the case like a DX-100 so that it can successfully rack mount. Make it heavier than the stamped tin Johnson chassis were.

I would rather a few more screws on a good aluminum chassis and case than stamped tin.

Pay particular attention to ruggedness in the VFO department.

Put a pair of 6146's in it rather than just one. One is fine, but usually is run a bit hard. Put in two and run them at about 70% ratings or maybe 500 volts on the plates, etc., and they will run forever.

Put in a decent QSK circuit as a functional part of the transmitter with two extra sets of lines for remote keying dpdt. That would be a very nice luxury, especially with BA rx's. A reed relay qsk circuit would probably be OK, although a pin diode one would be better.

Make the spotting available with a pushbutton switch on the front panel. A small unobtrusive switch will do nicely.

Put in a proper input line circuit for our protection.

Put the key jack unobtrusively on the front panel.

Put a roller inductor in the final tank for use as a pi-L output network. Set it up with a design of -40db right from the start on the output, regarding spurious emissions. Include a series and a parallel output capacitor switching for optimal antenna matching, unless one just wants to be cheap and depend upon an external coax-fed tuner. After all, we is a 'talkin' boatsanchors 'ere....

Key with a low voltage keying line so there is nil stray voltage on the key. Perhaps as part of the QSK circuit.

Put in a very quiet muffin fan for cooling the finals.

Use solid state rectifiers (let us be realistic here for even BA use).

One can economize the design, by using 6L6's throughout as drivers and oscillators and buffers, and then the pair of 6146's in the finals. Run the finals on 500-550 volts and all else on 250-275 volts for reliability. That way, a 110-440v instrument transformer of high quality can be easily used as the main power supply transformer for B+ and a separate one for the filament supply. That is good for redundancy and ease of maintenance. That is a good design philosophy carried to good use by the Germans in their WWII designs. It is very practical. Octal tubes are more fun anyway than them thar mini-thingies..... One type, used for all tubes up through the finals is also quite good in keeping spares properly requisitioned and at proper levels.

Use heavier bandswitches.

Use heavier resistors throughout, that are less prone to aging.

Use 600v caps throughout, except on the finals where 2kv caps should be used. Keep it rugged, and overspecced for longevity.

Do keep that famous and familiar dial, tho.....(:+}}.....

Delete the xtal holders, since all can use vfo's these days.  
That is unless the folks need a BA/GB net rock to be installed....(:+}}...

For filter caps use high quality motor starting AC capacitors (good for 700vdc or more), that will last forever. This will pay dividends 30 years down the road for those that follow us.

I am sure I could come up with a few more things to worry about, but that is all that the ol' Ranger engenders in the grey matters, this morning. If weuns is a 'boatanchorin' then do it in haevy metal.

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: stever@cybercomm.net (Stephan Rashkin)  
Subject: Re: "Ranger III" survey  
Message-ID: <199605091659.MAA29430@raven.cybercomm.net>

>>  
>> Folks:  
>> I was just wondering. Supposing a manufacturer with BA tastes would want  
>> to create a new transmitter where the venerable EF Johnson left off with  
>

>I am sure I could come up with a few more things to worry about,  
>but that is all that the ol' Ranger engenders in the grey matters,  
>this morning. If weuns is a 'boatanchorin' then do it in haevy  
>metal.

>

\*\*\*\*\*

Have it sell for under \$250..(Right?) :0>

Steve, WA2NHZ

\*\*\*\*\*

Looking for: 1. More money to buy more stuff :0)

2. More room for more stuff
3. Camouflage netting to hide stuff from XYL

Steve Rashkin, WA2NHZ  
Howell, New Jersey

E-mail: stever@raven.cybercom.com

\*\*\*\*\*

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Re: "Ranger III" survey  
Message-ID: <Pine.SV4.3.91.960509111654.3078A-100000@mesa5.mesa.colorado.edu>

Cal,

I'd buy a Ranger III in a minute if it had the quality of the Ranger II.  
The dumbest thing I ever did in my life was to sell my Ranger II. The  
only possible "improvement" I can think of would be to include a T0 keyer  
circuit in it.

Jim WOKSD

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: Re: "Ranger III" survey  
Message-ID: <2.2.32.19960509190656.006dec9c@sprynet.com>

Roger on everything everyone else said. Just of the top of my head, having  
never used a Ranger(!) :

May as well cover the WARC bands, ya know.

How about a heterodyne VFO for stability, keying ease, and frequency readout.

Broadband tuning or gang tuning with VFO.

It's gotta pass current FCC specs for new gear.

Don't put a fuse in the electric plug.

Don't power it with a wall transformer :-)

Every stage should be metered (with a switch, not separately).

Variable output power would be nice.

Much higher grade of paint than Johnson used.

Standard i/o connectors.

\*\*I love it. A rig designed by a committee\*\* Can we use a camel for an  
insignia instead of the Viking?

-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Sandy Blaize <70401.134@CompuServe.COM>  
Subject: "VT numbers" part 1  
Message-ID: <960509042033\_70401.134\_IHD87-1@CompuServe.COM>

VT-4 211	VT-4C	211 SPECIAL
VT-17 860	VT-19 861	
VT-22 204A	VT-24 864	
VT-25 10	VT-25A 10Y	
VT-26 22	VT-27 30	
VY-28 24, 24A	VT-29 27	
VT-30 '01A	VT-31 31	
VT-33 33	VT-34 207	
VT-35 35/51	VT-36 36	
VT-37 37	VT-38 38	
VT-39 869	VT-39A 869B	
VT-40 40	VT-41 851	
VT-42 872	VT-42A 872A SPECIAL	
VT-43 845W	VT-44 32	
VT-45 45	VT-46 866	
VT-46A 866A	VT-47 47	
VT-48 41	VT-49 39/44	
VT-50 50	VT-51 841	
VT-52 45 SPECIAL	VT-54 34	
VT-55 865	VT-56 56	
VT-57 57	VT-59 58	
VT-60 850	VT-62 801, 801A	
VT-63 46	VT-64 800	
VT-65 6C5	VT-65A 6C5G	

VT-66	6F6	VT-66A	6F6G
VT-67	30 SPECIAL	VT-68	6B7
VT-69	6D6	VT-70	6F7
VT-72	842	VT-73	843
VT-74	5Z4	VT-75	75
VT-76	76	VT-77	77
VT-78	78	VT-80	80
VT-83	83	VT-84	84/6Z4
VT-86	6K7	VT-86A	6K7G
VT-86B	6K7GT	VT-87	6L7
VT-87A	6L7G	VT-88	6R7
VT-88A	6R7G	VT-88B	6R7GT
VT-89	89	VT-90	6H6
VT-90A	6H6GT	VT-91	6J7
VT-91A	6J7GT	VT-92	6Q7
VT-93	6B8	VT-93A	6B8G
VT-94	6J5	VT-94A	6J5G
VT-94B	6J5 SELECTED	VT-94C	6J5G SELECTED
VT-94D	6J5GT/G	VT-95	2A3
VT-96	6N7	VT-96B	6N7 SELECTED
VT-97	5W4	VT-98	6U5/6G5
VT-99	6F8G	VT-100	807
VT-100A	807 MODIFIED		

NEXT SERIES 101-200 NEXT FILE! STAY TUNED!

73,  
Sandy W5TVW

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
 From: "Ray L. Mote" <rmote@rain.org>  
 Subject: Re: "VT-" Tube cross-reference list  
 Message-ID: <Pine.SUN.3.91.960508235112.3938B-100000@coyote.rain.org>

Check the BA Archives for Bill Donzelli's set of files on the mil tube cross-reference. The VT types are at the end (natch). So are the "38xxx" Navy types. 73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
 From: billo@nti.net (Bill Wilson)  
 Subject: 32V-3 dial lights...  
 Message-ID: <19960509113844372.AAA310@LOCALNAME>

Where do you fine'em? I need about 5 of those 6 volt bulbs...I have a bunch of 28 volt bulbs I don't need that I can trade. I think the 28 volt ones go in the R392 if I'm not mistaken.

Bill  
AC4LC

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)  
Subject: Re: 32V-3 dial lights...  
Message-ID: <9605091338.AA12417@amos.YP.mystnite>

Bill I think they're #328s & cost near 2 bucks ea. at

Ack Radio  
404-351-6340

They're in Atlanta.

As I will be for our tailgate-centric parking-deck-oriented state convention hamfest June 8, June9. Look for 'PPT to talk on his his beneficially chosen list management career and our ba, QST-published Larry Keith on "Bringing back Ham Radio's '57 Chevies."

Marty

Another idea is a teeny tripler on the 6V line to run 28 volt jobs there. Wish I'd thot of that long ago... there's no shortage of those eeeenie 28V flange-base lamps out there.

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "C. J. Hawley" <c-hawley@uiuc.edu>  
Subject: Re: 32V-3 dial lights...  
Message-ID: <3191EFCC.21E3@uiuc.edu>

Marty wrote:

>  
> Bill I think they're #328s & cost near 2 bucks ea. at  
>  
> Ack Radio  
> 404-351-6340

The #328 bulb is a 6V bulb. The #349 bulb is a 6.3V bulb.

The #349 bulb is identical in every other respect except that it has a lifetime of 5000 hours (according to the CML catalog) instead of 1000 hours for the #328, both at rated voltage.

Newark Electronics lists the #328 at \$10.26 per pack of 10. The #349 is \$9.95 per pack of 10.

Chuck, KE9UW

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: "C. J. Hawley" <c-hawley@uiuc.edu>  
Subject: Re: 32V-3 dial lights...  
Message-ID: <3191ECE5.33B5@uiuc.edu>

Bill Wilson wrote:

>  
> Where do you fine'em? I need about 5 of those 6 volt bulbs...I have a  
> bunch of 28 volt bulbs I don't need that I can trade. I think the 28 volt  
> ones go in the R392 if I'm not mistaken.  
>  
> Bill  
> AC4LC  
>  
> Those bulbs are Chicago Miniature Lamp #349, 6.3V-.2A, T 1 3/4 midget  
flanged. You can get them from Newark, etc.

Chuck, KE9UW

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>  
Subject: ADMINISTRIVIA: New Files in Archives  
Message-ID: <9605090650.aa25782@jackatak.theporch.com>

Gang-

There are several new files in the ftp/email retrieval archives, most recently a cross-reference of military gear, manufacturer names and designations, and quick reference to what those letters and numbers actually refer to...

To retrieve the file(s) from the archives by email, send an message to the list processor, (\*NOT\* to the list address -- PLEASE take note and send file requests to the correct address...)



listproc@theporch.com

The syntax for getting a files is:

get boatanchors <file name>

and for retrieving the index for all the files:

index boatanchors

Thus, for the newest file, send an email to:

listproc@theporch.com

and in the body, type:

get boatanchors xref.military.gear

Enjoy the archives.

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listtown@jackatak.theporch.com ---- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996

From: Jim Heaton <jheaton@ic.net>

Subject: ADMIRAL 5R36 and EMICO meter for sale

Message-ID: <31916F59.788@ic.net>

I have the above 5R36 for sale containing the following tubes and sockets: 12AV6, 12BA6, 12BE6, 50C5 and 35W4. It seems to work fine and looks nice but does have a few small nicks. 50-60Hz and 177V AC or DC operation broadcast AM receiver.

The meter is in it's original box and is about 2 inches across. Range: 0100 D/C M/A, CAT: 2130, TYPE:NFC2.

Best offer takes each + you pay shipping via your favorite carrier.

-JIM

AA8RF jheaton@ic.net

From boatanchors@theporch.com Wed May 8 23:34:09 1996

From: kilgore@dev.tivoli.com (Jeff Kilgore)  
Subject: Allied A-2516  
Message-ID: <9605090243.AA16696@wichita.tivoli.com>

I picked up a mint 2516 sometime last year (I don't recall exactly when), complete with a non-yellowed manual in excellent condition. That turned out to be a fateful event for me. While I have always liked vacuum tubes and older radios, I had not really indulged this interest very much beyond a Heath SB-300/401 that I picked up several years back. Well, one thing led to another and I quickly got really hooked after getting the 2516. My collection is currently small (the 2516, SB-300/401, Drake 2-B, Heath HR-10B, Heath HW-101, and an R-390A), but I really enjoy it and I am always looking to add to it.

Now if I only had more room for my wonderful toys, especially for working on them!

73,  
Jeff Kilgore

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>  
Subject: Antique Electronic Supply  
Message-ID: <MAILQUEUE-101.960508152945.544@vilas.uwex.edu>

Here's one of those questions that gets asked and answered every month on Boatanchors. It's my turn this month:

I just pulled out my most recent Antique Electronics Supply catalog (1989) and called. The operator says the number is disconnected and there is no forwarding number. I know these guys are still in business. Can someone post their current phone number?

73 Terry O' WB9GVB

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Chuck Grandgent <k1om@world.std.com>  
Subject: Re: Antique Electronic Supply  
Message-ID: <199605082221.AA26094@world.std.com>

\*\* Reply to note from "Terry O'Laughlin, RM:7135, #:6-6667"  
<OLAUGHLIN@vilas.uwex.edu> 05/08/96 3:35pm -0500

>

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> business. Can someone post their current phone number?  
>  
> 73 Terry O' WB9GVB

Antique Electronic Supply, 6221 South Maple Ave., Tempe AZ 85283  
tel 602-820-5411  
fax 800-706-6789

-Chuck Grandgent, K10M, Maynard, Mass.  
k10m@world.std.com <http://world.std.com/~k10m>

cc: boatanchors@theporch.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: Re: Antique Electronic Supply  
Message-ID: <9605082337.AA29388@netman.ENS.TEK.COM>

Gang,

Here is info on AES and some others from the rec.antiques.radio+  
phono  
faq. I won't include the whole thing for bandwidth reasons:

A: \*\*\*\*\*  
\* THE VINTAGE RADIO SOURCE LIST \*  
\* (update: 10/2/94) \*  
\* Comments, suggestions to: a.field@uicvm.uic.edu \*  
\* Aaron S. Field, M.D., Ph.D ("The Scrounger") \*  
\*\*\*\*\*

The following suppliers carry a variety of merchandise for collectors  
and restorers of vintage radio/phono/TV/jukeboxes. Catalogs or  
inventory lists are available from all of them.

1. Antique Electronic Supply, 6221 S. Maple Ave., Tempe, AZ 85283,  
(602)820-5411: Great source for tubes, components, restoration  
supplies, books, etc. Best place to start for the novice!!  
First rate catalog! Not to be missed!
2. Puett Electronics, P.O. Box 28572, Dallas, TX 75228,

(214)321-0927: Incredible supply of literature and service data, also some parts. Good source for collectors of E.H. Scott and McMurdo silver radios.

3. Play Things of Past, 3552 West 105th St., Cleveland, OH 44111, (216)582-3094: Plenty of hard-to-find parts for the earliest radios, including rare tubes. (Probably the best source for original parts on 1920's sets.) Lots of literature as well. Excellent catalog.
4. Old Tyme Radio Company, 2445 Lyttonsville Rd., Silver Spring, MD 20910, (301)585-8776. Tubes, vintage parts, radios, test equipment.
5. Great Northern, P.O. Box 17338, Minneapolis, MN 55417, (61) 727-2489: Lots of stuff for collectors of Zenith radios-- parts, literature, T-shirts, service data.
6. Vintage TV and Radio Supply, 3498 W. 105th St., Cleveland, OH 44111, (216)671-6712: Nice selection of books, tubes, knobs, components, refinishing supplies, etc. Much better knob selection than AES (#1 above). Good catalog.
7. Wade's World of Knobs (Wade and Joe-Ann Terrell), 7109 E. Arbor Ave., Mesa, AZ 85208, (602)830-7849: Reproduction plastic knobs and dial lenses, etc.
8. Antique Radio Labs, R1, Box 41, Cutler, IN 46920, (317)268-2214: Limited selection of various parts and literature.
9. Don Diers, 4276 North 50th St., Milwaukee, WI 53216-1313: Nice selection of tubes and vintage parts. Tons of caps! Fun to read catalog!
10. Triode Electronics, Box 578751, Chicago, IL 60657, (312)871-7459: Jukebox needles, cartridges, tubes, other parts.
11. A.G. Tannenbaum, P.O. Box 110, East Rockaway, NY 11518, (516)887-0057: Vintage parts and literature, test equipment.

-----

Terry  
KI7M

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: pmills@cyberhouse.com (Phil Mills)

Subject: Re: Antique Electronic Supply  
Message-ID: <199605090027.TAA08345@ns.cyberhouse.com>

I think there were two of these....the current one is in Arizona and is still alive and kicking....

Antique Electronic Supply  
6221 S. Maple Ave.  
Tempe, AZ 85283

602-820-5411

good luck,  
Phil

k>Here's one of those questions that gets asked and answered every  
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>business. Can someone post their current phone number?  
>  
>73 Terry O' WB9GVB  
>  
>  
Phil Mills, AB5TH  
pmills@cyberhouse.com  
713-992-5762

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: Antique Electronic Supply  
Message-ID: <199605090146.UAA04615@zoom.bga.com>

As Terry O'Laughlin, RM:7135, #:6-6667 said  
>  
> Here's one of those questions that gets asked and answered every  
> month on Boatanchors. It's my turn this month:  
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> I just pulled out my most recent Antique Electronics Supply catalog  
> (1989) and called. The operator says the number is disconnected and  
> there is no forwarding number. I know these guys are still in  
> business. Can someone post their current phone number?  
>

Since I just got a box of tubes from them this afternoon, I'll read their phone no. off the invoice.  
602-820-5411

One of the tubes I was waiting for was a 955 acorn triode, which immediately went into the Measurements Megacycle Meter that I picked up a few weeks ago from Belton. Fired the thing up and it works perfectly.

This brings up the grid dip complement here to an Eico, a Millen, and a Measurements. I've used all three in the past, at different times, but this will be the first time that I have the three side-by-side to compare them. I've always been impressed with the separate wand/power supply and huge meter on the Megacycle Meter, but I felt real nostalgia when I checked out the Millen dip. One thing about the Millen dip is its simplicity---just a power switch, a plate switch, and a tuning dial.

One thing I have found with all three dips, and that is the need to clean the coil and coil socket contacts thoroughly. On the Megacycle meter, which uses banana plugs and brass banana jacks, I used Wright's copper cream on a Q-tip. This has to be washed out thoroughly. The other two simply got a shot of Caig Deoxit in the sockets and a polish job on the coil plug contacts.

Someone had soldered the 955 acorn in place on the Megacycle Meter, ruining the tube (the vacuum got out), and I spent quite a bit of time cleaning the solder off the contacts with solder wick and adjusting them so that they made good contact. There isn't any reason these contacts should cause problems if they are clean and adjusted properly. I suspect someone "fixed" a coil socket contact problem by soldering in the tube. That is guaranteed to break the metal-glass seals, and I saw a couple more "pop" when I was removing the solder from the old tube to get it out.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: Antique Electronic Supply  
Message-ID: <199605090151.UAA05422@zoom.bga.com>

As Terry Burge said

>

> Gang,

> Here is info on AES and some others from the rec.antiques.radio+  
> phono  
> faq. I won't include the whole thing for bandwidth reasons:  
>

> A: \*\*\*\*\*  
> \* THE VINTAGE RADIO SOURCE LIST \*  
> \* (update: 10/2/94) \*  
> \* Comments, suggestions to: a.field@uicvm.uic.edu \*  
> \* Aaron S. Field, M.D., Ph.D ("The Scrounger") \*  
> \*\*\*\*\*  
>

This is positively ancient. Since I am the FAQ editor, I maintain these files, and if anyone really wants, I can post them here, although the rec.antiques.radio+phono 9-part FAQ is posted the tenth of every month (more or less) and held on rtfm.mit.edu for ftp access.

Aaron Field did a fine job of starting things off, but has not been involved with the rec.antiques.radio+phono newsgroup for well over a year.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: spr@earthlink.net (Scott Robinson)  
Subject: Antique Electronic Supply's phone number  
Message-ID: <v01530505adb6c594be38@[153.37.85.83]>

They are at:

(602) 820-5411 voice,

or

(602) 820-4643 fax  
(800) 706-6789 fax

They are still very much in business.

Scott Robinson  
spr@earthlink.net

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: jerry\_kovacs@om.cv.hp.com  
Subject: Are Any Mackay 3010 Parts Available?  
Message-ID: <H0001660104eaaf7@MHS>

Item Subject: Text\_1

This is a dippy question I know... but could there be a remote possibility of Mackay Marine 3010 parts being around.

I am looking for the rubber tuning drive belts.

tnx,

jer j\_ kovacs@om.cv.hp.com

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Are Any Mackay 3010 Parts Available?  
Message-ID: <9605091642.AA100269@csemail.cropsci.ncsu.edu>

>  
> This is a dippy question I know... but could there be a remote  
> possibility of Mackay Marine 3010 parts being around.

Nah, perfectly reasonable.

> I am looking for the rubber tuning drive belts.  
> tnx,  
> jer j\_ kovacs@om.cv.hp.com

Mackay may still have them. They are supposed to have some older parts or be able to point you to the plant (in NJ?) that may have them, I have been told by some folks. Anyway, give them a holler.....

Tell them a local ham/NA4G sent you, off the internet, vi the Boatanchors mailing list. That might make them chuckle or scratch their heads.....

Mackay Radio is now --- Mackay Communications, Inc.  
2721 Discovery Drive  
Raleigh, NC (zip?????) 27609 maybe  
Tel: (919) 850-3000.

They seem to be pretty nice folks.



73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: ARRL Bulletin Print on TTY's  
Message-ID: <Pine.ULT.3.91.960508165253.8900A-100000@admin.aurora.edu>

On Wed, 8 May 1996, Dale Braun wrote:

> Jerry Proc mentioned a couple days ago that when printing ARRL bulletins  
> using the old mechanical printers, overstriking occurs on the right-hand  
> margin. Monday evening I printed the bulletin on my model 15, and one  
> of the three bulletins had that problem.

I also E-mailed Jeff at W1AW about the same problem. It was ARLB027, I think. He couldn't explain it. Thought it was a computer glitch. The same problem occurred on the AMTOR transmission as well.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: sinned@VNET.IBM.COM  
Subject: BA auction D/FW 5/11  
Message-ID: <199605091835.NAA28395@uro.theporch.com>

There will be an auction of 300+ lots of old radio stuff on  
Saturday 5-11-96 at:

Miles Autry Auctioneers  
3425B West Kingsley Rd.

Garland, Texas

214-272-7825(call for directions/questions)

preview from 10AM 5-10 all day and 5-11 10AM to 1PM

bidding begins 1PM local time.

PS. This looks like the estate of an old ham/collector, QST's back to '22, receivers, test gear, etc. I'll be there wearing my 'KC5EPZ' name tag. ....probably shudda kept this to myself, I gotta stop bringing radio stuff home.....

Dennis

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Boatanchor Model-T Furrd Kit Funzies

Message-ID: <9605091841.AA100590@csemail.cropsci.ncsu.edu>

While on the thread of a BA Reborn Ranger IIIIIIIII, perhaps it might be fun to see if a relatively straightforward kit box of some kind could be designed as a JANuine BA/GB kit, fer the folks.....

No harm in dreaming a little, right?

Practical necessity dictates something like the following:

Recipus Boatanchorus Riggus Oldystylus Glowing Brightlyus  
-----

1. Basic design 160/80/40 meters.
2. VFO or Xtal control.
3. 4 Stage design (vfo, buffer-doubler, doubler, final).
4. Basic 100 watt input, with very high design reliability and redundancy, for equipment longevity.
5. Keying by B- line keying (grid block), using a high-speed reed relay from a 6/12 volt keying line.
6. Oscillator on 160 meters, using a 6L6. Standard J.B. Dow high-c or Clapp ECO. Voltage regulator VR90 on screen VR-150 on plate. Spotting switch for frequency setting. Free running or keyed with a differential keying circuit just ahead of the rest of the rig.
7. Buffer-doubler on 160 or 80 meters using a 6L6. Tuned output side. RF choke input side. Bias to cutoff without drive.
8. Doubler to 80 or 40 using a 6L6. Tuned output side. RF choke input side. Bias to cutoff without drive.
9. Final oscillator pair of 6146's, running at 250vdc on the screens from a dropping resistor off the plate at 500 volts. Pi-L network output. Provision for adding in a series or parallel output cap of 250pf for use as a tailend tuner to hi/low impedance lines. Coax or openwire line or end fed HV feed output. Built in field strength style output coupler for simple tuning in addition to grid and plate meters.
10. Meter the grid and plate of the final with a possible additional

meter in the plate of the driver doubler tube.

12. Provide pp 6L6 or 6146 modulators for those that want AM, with 6L6 pp driver and 6SN7 audio input stages.
13. Box up in rack panel aluminum case, rfi proofed, and shielded for meter leads, input leads, etc.
14. Use separate filament and HV and bias supplies, all run from their own transformers so replacements would be an easy thing to do.
15. Have the filaments separately switched from the B+/Bias to allow warmup.
16. Make the VFO cover only the ham bands commonly used, such as either 1750-1850khz or 1800-1900 or 1900-2000khz, depending upon how one wanted to set up CW or AM, so slower tuning rates could be had. Or, add a padder switch and switch in segments of coverage.
17. Put a roller inductor in the Pi-L if possible, although switches work practically as well with fixed inductors.
18. Be fancy and reproduce the GenRad 10 inch round machine tool edge-drive dial mechanism. Use 0-100 2 or 3 inch dialknobs on the other caps.
19. etc..... you add and pass it along.....(:+}}.....

For economy, drop the AM and make the finals a triplet of 6L6's so one tube could be used throughout. Put about 300-360 volts on the finals and 180 volts on the early stages.

For economy, drop the AM and make the whole tube lineup around 6146's.

Sound like we have a project a'brewin' 'ere folks.....

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: Boatanchor Model-T Furr'd Kit Funzies  
Message-ID: <Pine.ULT.3.91.960509135610.19532C-100000@admin.aurora.edu>

On Thu, 9 May 1996 rdkeys@csemail.cropsci.ncsu.edu wrote:

> While on the thread of a BA Reborn Ranger IIIIIIIIIII,  
> perhaps it might be fun to see if a relatively straightforward kit box  
> of some kind could be designed as a JANuine BA/GB kit, fer the folks.....  
>  
> No harm in dreaming a little, right?  
>  
> 9. Final oscillator pair of 6146's, running at 250vdc on the screens  
> from a dropping resistor off the plate at 500 volts. Pi-L network  
> output. Provision for adding in a series or parallel output cap  
> of 250pf for use as a tailend tuner to hi/low impedance lines.  
> Coax or openwire line or end fed HV feed output. Built in  
> field strength style output coupler for simple tuning in addition  
> to grid and plate meters.

I think you meant a final amplifier, not oscillator..... but anyway,  
I like 6146's but isn't there something cheaper / something readily  
available? For example, are 1625's still plentiful and cheap?

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Boatanchor Model-T Furrd Kit Funzies  
Message-ID: <9605091936.AA100702@csemail.cropsci.ncsu.edu>

>  
> I think you meant a final amplifier, not oscillator..... but anyway,  
> I like 6146's but isn't there something cheaper / something readily  
> available? For example, are 1625's still plentiful and cheap?  
>  
> E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI

Yeah, typos.....

1625's don't seem to be as common nor as cheap as the used to be.  
6159's are a buck each at AES, but the supply probably will not  
last long. Everyone finds old 6146's from pulls in Kenicoyawhooies,  
at most hamfests. I find them locally all the time at 3 bucks each.  
They should all probably work as low stressed finals. Used ones, as  
long as they emit a little, should sub for 6L6 intermediate stages  
at low plate voltages.

I would opt for something like 12A6's throughout, for the one type  
rig, since 12A6's are usually cheap and relatively plentiful, from

the TCS stock of WWII.

I used 6146's as generic amps, but anything in a 2E24 on up to a 4D32 would work, maybe even a 4-125. I sub 2E26's for 6146's all the time.

It should be trivial to put anything that would be used as a power pentode or power tetrode or beam power tube in the finals, with good results. The general ration for same sized tubes is 1 in the driver to 3 in the finals paralleled, or 1 watt in the driver to 3 watts in the final, for sizing at all levels. One might could get enough drive at a 1-4 or maybe even a 1-5 level, depending upon tubes and parameters used.

The bottom line is be creative.....

Bob

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Jim Dillon <beadgal@ptialaska.net>  
Subject: Book Deal: Moore:Transmitters,.....  
Message-ID: <01BB3D80.5079FA20@juneau\_114.dialups.ptialaska.net>

Exciters, and Power Amplifiers 1930-1980. Raymond S. Moore

The Title and fame of Moore's 'Communications Receivers' as standard = reference tell it all. 144 pages, 8 1/2 by 11 glossy. Photos are same or better quality than Comm Rcvrs 3rd edition.

First Fourty copies are on the way to Juneau. Don't bother e-mailing. = Just put the check in the mail. Put 'Moore Book' on bottom left of = envelope, complete name and mailing address upper left. Book is published at \$21.95. I'm giving two shipping options and \$s : \$17 for Third Class outta here.\$19 = for Priority outta here. Its Third from FL to AK regardless. Ray has no = staff for drop shipping. Send check for \$17 or \$19 yer choice to:

Hi Tec  
201 Seward St.  
Juneau AK 99801

Last of the Hallicrafters (T/O Philco) were shipped today from PA. Heath = have not arrived from ER in CO as yet

Jim Dillon WL7CMQ beadgal@ptialaska.net

(looking for Collins 32B :-)

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: MEC <danmec@inet.uni-c.dk>  
Subject: Dayton  
Message-ID: <Pine.3.89.9605091459.A22780-0100000@inet.uni-c.dk>

Yours truly will be walking the fleamarket saturday.  
Hope to shake hands with a few of you guys over there.

73 Rag OZ8R0

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Bill Turini <turinib@wdni.com>  
Subject: EV Mike bases  
Message-ID: <199605082359.AA07817@interlock.wdni.com>

BA'ers

A number of my friends and I from Detroit (the WARTS Group) like to use the EV 664 & 676 mikes. These mikes are usually available at hamfests for a decent price, but mostly without the bases. As these are large, heavy mikes, heavy short bases are required.

The original base (EV 419, I believe) is out of production (I actually bought the last in inventory in 1989 for the original price of \$12.50) and usually not available.

Not to be without bases, one member of the group took a foundry class and has started making replica bases from brass and other metals.

I haven't seen them yet, but reports are that they are very true to the original. If anyone wants to see them, we will be in spaces 1129 & 1130 at Dayton. If anyone is interested in them and can't make it to Dayton, please e-mail me and when I return I will send you all the details.

73's

Bill

Bill Turini KA4GAV/7 turinib@wdni.com  
h (360) 825-1167 w (206) 924-5890

< ----- >  
< Always looking for Signal/One equipment, accessories, >  
< documentation, parts, etc. >  
< ----- >

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: tony@bright.net  
Subject: Fair Radio Survey  
Message-ID: <199605090215.WAA26917@brutus.bright.net>

Hello, Lovers of R-3xx Receivers Everywhere!

I stopped in at Fair Radio today and had a nice chat with Phil and George while they were busy "sprucing up" for their expected visitors from afar. They graciously gave me permission to prowl selected parts of the basement in search of receiver contract information. I will be returning in a week or so after Dayton to compile the listing. Things are pretty busy there right now, as they have been doing some cleaning and painting in the showroom areas.

Some concise directions from I-75: Take the St. Rt. 309 West exit, continue a short distance until 309 veers northwesterly at the "Y" intersection. Do not follow 309; instead, continue West on Kibby Street, past the Kewpee Restaurant (where you should get lunch, trust me) and over the railroad tracks. Continue a short distance on Kibby until you can see the back of Fair Radio out of your passenger side window. Turn right on Calumet and right again on Eureka. You're there! If you get lost and have 2-Meter FM capabilities, try 146.670- for some directions.

I noticed a couple of decent R-390As, a nice R-392, a R-725 less meters, the sorta-beat 51S1, and a couple of Harris transmitters in the showroom when I was there today. They also just got in a stock of Ray Moore's new transmitter book.

Hope to meet some of you at Dayton.

73 de N8SNC, Tony

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Flourescent ballast transformers  
Message-ID: <9605091851.AA100613@csemail.cropsci.ncsu.edu>

> Here's a general question that I'm a little ashamed I can't answer: Are  
> flourescent light ballast transformers step-up transformers? Can they  
> handle enough current to power a tube transmitter?

Basically, no.....

But, you can use dud microwave transformers. I just took one apart that looks like i can get 2200vdc at half an amp. The only problem is that the thing has one side of the output grounded to the frame, so a half wave rectifier is what it was designed for. But, with enough filtering, it should probably work. Unfortunately, there are not many 2200v tubes available, except for things like maybe a 304TL in a Hartley.

How about a xtal controlled single stage Reinartz regenerative oscillator (or Tri-tet maybe), using an 813 or an 803. RCA did just that in a 150W 813 single tube rig designed in 1938. Look on the back covers of QST from that era, for a teensie little schematic in the ad that you can blow up on a xerox machine. Looks like a fine BA/GB rig in the making.....

> The local Home Depot here had them on sale awhile back and it occurred to me  
> that I have absolutely no idea what a ballast tranformer is nor what its  
> outputs are.  
> If anyone can comment on this it might be useful; they only cost a few bucks  
> new and they're available at any hardware store. This is no longer the case  
> with power transformers of any consequence.  
> --73--  
> --Jeff Duntemann KG7JF  
> Scottsdale Arizona

I would find a dud microwave first.

Maybe we could find a neon sign transformer. That is about the right voltage for a simple quenched gap spark set.... hmmm.....(:+}}.....

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: Flourescent ballast transformers  
Message-ID: <Pine.ULT.3.91.960509141017.25594B-1000000@admin.aurora.edu>

On Thu, 9 May 1996 rdkeys@csemail.cropsci.ncsu.edu wrote:

> But, you can use dud microwave transformers. I just took one apart that  
> looks like i can get 2200vdc at half an amp. The only problem is that  
> the thing has one side of the output grounded to the frame, so a half  
> wave rectifier is what it was designed for.

If they grounded one side, just get a pair of them..... FW centertapped.



E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Flourescent ballast transformers  
Message-ID: <9605091939.AA100737@csemail.cropsci.ncsu.edu>

> > But, you can use dud microwave transformers. I just took one apart that  
> > looks like i can get 2200vdc at half an amp. The only problem is that  
> > the thing has one side of the output grounded to the frame, so a half  
> > wave rectifier is what it was designed for.  
>  
> If they grounded one side, just get a pair of them..... FW centertapped.

Had not thought about that, but it requires that you find dud microwaves  
in pairs or braces, for matching transformers.....(:+}}.....

Bob

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: KB9VU@aol.com  
Subject: re: fs: manuals & ... HERE's THE LIST!  
Message-ID: <960508225609\_290217694@emout15.mail.aol.com>

i'll post here to cover anybody i missed with a direct reply.

Manuals:

Collins KWM-1 Complete (Copy)	SOLD
Collins 75S-1 Complete (Copy)	
T-195/GRC-19 Complete (Copy)	
R-389/URR Complete (Copy)	SOLD
Radar Set AN/APN-9 (AN 16-30APN9-2)	
Original. Complete. 15 November 1944	
basic manual with 1 May 1952 revision.	
Teletype Instruction Manual # 11	
Original. 1943	

Books:

ARRL Handbooks:

5th edition - 1937 poor condition. no covers. looks to be complete  
25th edition - 1947 poor condition. no covers. looks to be complete  
26th edition - 1949 poor condition. no covers. looks to be complete  
1950, 1951, 1953, 1955, 1956, 1958, 1962, 1965, 1967, 1968, 1970, 1972, 1976,  
1978 and 1990 books are all complete and in good to very good condition.

THE RADIO HANDBOOK:

5th edition - 1938 poor to fair condition. missing rear cover. looks to be complete  
11th edition - 1947 fair to good condition. both covers. complete  
12th edition - 1949 good condition. complete.

Radio for the Millions, Popular Science Monthly editorial staff, 3rd  
printing. 1946  
good condition

Radio Operators Licence Q & A Manual, Milton Kaufman, 5th edition. 1957  
good condition.

There may be a couple of others in the pile but won't know until i get thru  
it all. Several folks have asked about the books. not sure of the values so  
offer what u think the item is worth. shipping is extra unless u offer with  
shipping included.

tnx!

Mike, kb9vu@aol.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: KB9VU@aol.com  
Subject: FS: OLD TUBES  
Message-ID: <960508225613\_290217748@emout08.mail.aol.com>

Found the following tubes in the load i picked up last weekend:

8025 2ea  
2C39 4 ea  
6H6 1 ea  
5Y3WGTA 1 ea  
6V6GTY 1 ea  
Western Electric 316A marked "VT-191" "NAVY"  
Amperex 8233 4 ea  
4E27 2 ea  
VT127A 2 ea  
826 5 ea  
5894 1 ea  
1625 3 ea

2E26 2 ea  
2C39 2 ea  
446A 2 ea  
EL34/6CA7 1 ea  
6L6 1 ea  
6AG7 1 ea  
6AB7 1 ea  
6L7 1 ea  
8080 1 ea  
931A 1 ea (9 stage photocell)  
6AS7G 1 ea  
WE717A 1 ea  
12BH7A 1 ea  
5763 1 ea  
6973 2 ea  
6CZ5 2 ea  
7233 1 ea

Most are in original boxes. offers?

Also have a NEW (in the original boxes) PAIR of 3-500Z's price is \$150 + shipping.

tnx!

mike

kb9vu@aol.com  
(St. Louis, MO)

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Bill Meara <w.meara@server1.codetel.net.do>  
Subject: Good SW BA WWW site  
Message-ID: <9605090024.AA03027@server1.codetel.net.do>

It seems to me that there is something contradictory about Boatanchors and Web Surfing... but anyway I came across a site that I'm sure many of you will like:

Check out the North American Shortwave Association's home page at:

<http://www.mcs.com/~ralph/html/naswa>

There are articles about really big transmitters with huge firebottles.  
Book reviews about our kinds of books. Lots of good stuff.

73 De N2CQR/HI8  
Bill Meara  
Santo Domingo, Dominican Republic  
w.meara@codetel.net.do  
or  
74537.1100@compuserve.com

"Hispaniola Heaths and Hallis"  
HT-37, 2B, HW-101, HQ-100  
PGP PUBLIC KEY AVAILABLE ON REQUEST

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: hallicrafters SR-46 crystals  
Message-ID: <m0uHWhf-002Wi3C@spider.lloyd.com>

Gang,

If you don't have an SR-46 or have no interest in an SR-46, you can skip this now.

I had a failure of the 18.5 Mc crystal in the mixer circuit of my SR-46 6M xcvr. No problem, I thought, just call JAN and get a new one. To my great surprise, JAN does not have the SR-46 on file in their database. This is a first....they have such great records that it's never been a problem getting a new crystal from them, no matter what radio it's for.

The story has a happy ending, though.

JAN does have records for the SR-42 2M xcvr and it, too, uses the 18.5 Mc rock. Taking the minimal gamble that the circuits are the same in the two radios, I ordered one of these. I am please to report that it's here, and that it works just fine.

Probably no one else in this or any other universe is going to have a problem the the 18.5Mc crystal in their SR-46. However, if such a problem does crop up, and you try to order a replacement from JAN, you will be successful if you specify that it's for the SR-42 instead.

73,

Jim - km6nk

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Bruce Haffner <haffner@mcs.net>  
Subject: Hallicrafters T-54 TV

Message-ID: <Pine.BSI.3.91.960508223333.22792A-100000@Venus.mcs.com>

I picked up a Hallicrafters model T-54 television at the Sandwich , Il.  
hamfest last Sunday and was wondering if anyone has worked on this model?  
Will have to look at Dayton for Sams or copy of owners manual.  
Thanks in advance.

Bruce           WD9GHK  
haffner@mcs.com

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: RE: Harold Bride  
Message-ID: <9605091835.AA01314@syseng1.se.melpar.esys.com>

Bobbi sez:

> Anent Mr. Bride, some sources report that he had broken both ankles  
>when leaving Titanic--which makes his work passing tfc afterwards all  
>the more impressive!

Not sure they were actually broken, but injured and very  
painful because he was in the bottom of the lifeboat and others  
piled in on top, smooshing his ankles (but he gritted his teeth  
and didn't complain). In his interview he makes reference to  
propping his feet up on a chair because it was less painful and  
allowed him to operate more comfortably.

"Hey, Yuri, don't smoosh the wireless operator!" (with  
apologies to Federal Express) ;-)

BTW, Bride was only 23 years old.....Cottham (sp?) on  
Carpathia was even younger, I believe.

73,

Paul, K4MSG

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: g.hall10@genie.com  
Subject: Heath 100kcs calibrator  
Message-ID: <199605090257.AA202810663@relay1.geis.com>

Chris,

My Heathkit HRA-10-1 100kcs xtal calibrator has a tube labeled:

EL93/6BA6 "A product of DAYSTROM Incorporated mfd by MULLARD".

73's Gayln Hall Story City, Iowa G.HALL10@Genie.geis.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: rmccarty@deltanet.com (Roger McCarty)  
Subject: Heath LMO - Thanks  
Message-ID: <9605090157.AA26880@server1.deltanet.com>

Thanks to all who responded to my cry for help with the Heath LMO's. A wealth of very useful info which makes being a member of the newsgroup worthwhile.

73  
Roger KD6CC

Accurate!  
Electronics

Roger A. McCarty  
Riverside, CA USA

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Michael Crestohl <mc@shore.net>  
Subject: Hosstraders....(Rochester NH)  
Message-ID: <199605090857.EAA29955@northshore.shore.net>

Hello Gang:

Who's coming and when? Cynthia and I will be there at 9:00!

73,

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "Stiles, Daniel F." <dstiles@inetgate.ushmm.org>  
Subject: intro and info  
Message-ID: <9604098316.AA831663123@inetgate.ushmm.org>

Hello to all

My name is Dan Stiles, KB1BG and Jack has been gracious enough to allow me to enter into your group.

I am hoping your collective wisdom can help me and new Hams to be.

I run a Ham club and Class at my childrens school.

Several hams from around the country have been kind enough to give us old gear. We repair it and loan it to the kids until they can prove to their parents the worth of Ham radio and convince their parents to buy them a rig. We have also been known to give a child a rig if their parents can not afford one. And before anyone tries to read between the lines -- I am not asking for gear although.. oh never mind.

After that, we have acquired a SWAN 350, Heath SB 303 and SB 401. We are looking for schematics and operating instructions for these.

Any help, comments, operating tips, mods or anything would be helpful.

Regarding the rules I read on long postings, my personal EMail is dstiles@ushmm.org.

Thanks and 73 Dan KB1BG

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>  
Subject: Re: Johnson Challenger power transformer needed  
Message-ID: <Pine.SUN.3.91.960508130644.15877A-1000000@dot.w6bhz.calpoly.edu>

Heh heh:  
That otta be a "challenge" to find. Cal.

On Tue, 7 May 1996, Andy Howard WA4KCY wrote:

>  
> Anyone out there in BA land have a Johnson Challenger power transformer. I have  
> a Challenger that needs one.  
>  
> Andy, WA4KCY

> AMI #9

>

>

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Hans Brakob <0006364621@mcimail.com>  
Subject: Kicking puppies!  
Message-ID: <85960509044058/0006364621PK2EM@MCIMAIL.COM>

There have been a few exchanges here lately comparing the dynamic range of some of the old military (mainly Navy) receivers against more modern amateur equipment. The correspondents typically give high marks to the Navy receivers (a lot of bragging about RA\*series) as compared to modestly priced amateur equipment (TS-140, etc.).

The comparisons tend to ignore the fact that there are two completely different design goals involved. In the case of Navy receivers, they were designed to operate in an extremely RF-rich local environment (a CVA could easily have 25 HF transmitters transmitting simultaneously, with all antennas within a few hundred feet of each other) and to receive signals from high powered (50KW+) shore stations. Duplex operation is common. Thus Navy receivers tend to be designed to be immune to high levels of local inband RF, but are not stunningly sensitive or selective.

Amateur equipment, on the other hand, (except for field day) is usually separated from other transmitters by miles and is generally operated simplex. Thus rejection of strong inband signals (hundreds or thousands of millivolts) from nearby transmitters is not a high-priority design goal. On the other hand, amateur operations are typically relatively low powered, so sensitivity IS a design goal. Operations are not channelized, so selectivity is also much more important than in military operations where "channels" and "guard bands" are strictly enforced.

Thirdly, the economics are completely different. An R390A with dual CV591s cost over \$10,000 (in 1958 dollars!). In 1995 dollars that is something in excess of \$40,000 -- popular HF amateur equipment is designed to sell for about 10% of that figure (or less).

Even so, on my last sea duty my kit-built SB104A held its own nicely against milspec R1051s and URT23s. Go figure!



73, de Hans, K0HB, RMCM(USN)  
(Been there, done that for a living!)

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: Kicking puppies!  
Message-ID: <Pine.SC0.3.91.960509104045.18176A-100000@sd.cts.com>

On Thu, 9 May 1996, Hans Brakob wrote:

> There have been a few exchanges here lately comparing the  
> dynamic range of some of the old military (mainly Navy)  
> receivers against more modern amateur equipment. The  
>  
> The comparisons tend to ignore the fact that there are two  
> completely different design goals involved. In the case of  
> Navy receivers, they were designed to operate in an extremely  
> RF-rich local environment (a CVA could easily have 25 HF

Aboard the Commander Seventh Fleet flagship, (CLG - light cruiser)  
we had two 400-500 watt transmitters (WRT-2's) transmitting constantly  
with multiplexed teletype signals. We could light florescent tubes  
by touching one of the base pins to the center pin of the output  
connectors on the antenna patch panel, even after passing through the  
bandpass filters of the antenna multicoupler. Had a constant problem with  
corrosion on the shackles of the railing lifelines acting like  
diodes and mixing all the radio and radar transmissions to  
make a broadband grunge.

John Kolb KK6IL

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Looking for some BIG xtals  
Message-ID: <9605091553.AA101324@csemail.cropsci.ncsu.edu>

Does anyone have any BIG xtals with banana plugs in 3/4 or 7/8 inch  
spacing that are in the frequency range of 3400-3550khz that they would  
part with? I would like to find a good xtal a little below 3525 that  
I could ease up onto the 40M BA/GB net QRG of 7050.5-7051khz, and maybe  
one for up around 7079R5khz to mimic the 80 meter offset.

These rocks operate in a 50 watt xtal oscillator so they need to be

Type FT-171 or Type R1 rocks. The guts will be moved into an R1 holder to fit Big Bertha's marine RMCA R1 rock holders. These rocks typically are 3/4 or 1 inch square or slightly rectangular sized blanks.

I could move the rock out of a flat holder from the 30's, since they may also be large enough to handle the RF strain.

Thanks!

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: gc@fox.cen.com (Gary Chatters)  
Subject: Re: Looking for VHF? Boatanchor Ideas  
Message-ID: <9605090202.AA14856@cen.com>

Ben asks:

>  
>Whilst chatting with another rocket scientist, he mentioned that I should  
>obtain a tube unit to listen to the JSC rebroadcast of shuttle audio. Kind  
>of a display piece for the desk that I could use for work related activity.  
>  
>Shuttle audio is rebroadcasted locally on 171.50 MHz. I think that is  
>around 2 meters? (I am not a ham yet) Looking thru Moore's I didn't see  
>anything that could do 171MHz FM. (Maybe cause it is a shortwave BA book  
>not VHF?) Could anyone recommend or have for sale a BA that satisfies the  
>following criteria:  
>  
>1) Able to receive 171.50 MHz FM signals.  
[...]

There have been some good answers; I'll throw in another \$.02 worth.

Land mobile radios: These have been mentioned. This is a good choice for fixed frequency monitoring. Tube LM radios are hard to find these days. If you get a mobile unit you'd have to build a power supply. I have seen a few tube type LMRs show up at hamfests over the past year, so it is possible to find them. You'll have to buy a crystal, but the big crystal companies know how to make them for just about anything.

Surveillance/telemetry receivers (e.g. Nems-Clarke): These have been mentioned by others. Sounds like a good choice. I have seen tube models show up at hamfests in the past year or two, but the solid-state ones are much more common.

Table model LMR receivers: Haven't seen these mentioned. Before the advent of solid-state and scanners, a few manufacturers made tunable table model radios for LMR. They looked about like an AM BC receiver of the era. They only had one band, so you had to get one for low band (30-50 Mc) or high band ( 150-175 Mc). I can't remember who made them, but I recall a model name something like "Civic Patrol" (was that Hallicrafters?). Can someone fill in on this?

73,

Gary

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Andy Howard WA4KCY <102452.362@CompuServe.COM>  
Subject: Lunchbox Microphones and Manual Wanted  
Message-ID: <960509041114\_102452.362\_DHT88-1@CompuServe.COM>

I am looking for microphones (Turner recorder mike) that match the Heathkit series of Lunchboxes. Need 3 or more and also need a manual for a Sixer Lunchbox.

Thanks to all,

Andy, WA4KCY

We are not alone. . . .

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: RE: More early radio message trivia  
Message-ID: <9605091522.AA25867@syseng1.se.melpar.esys.com>

Bride's interview as published in the New York Times is included in its entirety as one of the appendices to "In Search of Marconi - Early Radio" (Jensen, 1994). I posted only excerpts yesterday, but it's all worth reading. The way Bride's account reads, Phillips did all the operating from Titanic, Bride was merely an onlooker. After his rescue by Carpathia, Bride worked with Carpathia's radio operator, Cottham (sp?), who ended up in near collapse after only 8 hours sleep in three or four days, to help clear all the message traffic (both outgoing and incoming) regarding the disaster; this was the period when Bride described the Navy operators (and some others) as incompetent encumbrances. At the time of the interview, Bride was mildly

distressed that there were still 100 to 200 more messages to be worked and he felt his task was not yet finished.

So it would seem that although Bride was preparing to relieve Phillips when the accident occurred, Phillips stayed at the key throughout (and Bride's closing comment about Phillips continuing to send after the Captain told him he was free to leave the ship bears this out).

73,

Paul, K4MSG

ZUT!

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: RE: More early radio message trivia  
Message-ID: <Pine.SUN.3.91.960509130752.26247A-100000@indy3>

Hi!

Anent Mr. Bride, some sources report that he had broken both ankles when leaving Titanic--which makes his work passing tlc afterwards all the more impressive!

73,

--Bobbi

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: More early radio message trivia --- Titanic  
Message-ID: <9605091527.AA101276@csemail.cropsci.ncsu.edu>

Boatanchorites....

I finally found that xerox of the radio operator's message pad from the Titanic incident.....

This is the text of the message sent from the RMS Titanic/MGY as received by the Russian steamer ``Birma'' 100 miles west of the Titanic's position, in another time zone. It was received

at 2350 UTC which would have been 0050 UTC Titanic's time, or 5 minutes after the the Titanic struck the iceberg, assuming the times give in the book are correct. This must have been the first message sent.

I have asciified it from the original photo, but it is as correct as I can make it even to placement of text on the pad and things like periods, etc.....

No. Words.	Origin. Station.	Time handed in	Via	Remarks
CQ	Titanic	11.50 April 14th-15		Distress Call
				Sigs Loud

Cqd - Sos from M.G.Y

We have struck iceberg sinking

fast come to our assistance

Position Lat 41.46 n. Lon. 50.14 w.

MGY

L L. Connor

F G Ward.

Note: I am not absolutely sure of the spelling of Connor's name, since it was handwritten, apparently in a hurry, and no mention of the operator's name appears in the text of the book from whence

the above message photograph came. If anyone has the full reference citation for that book on ships, I would love to find it out. It was countersigned by F.G. Ward. (Chops?).

Then, later in the morning, ``Phillips tapped a signal to the Cunarder Carpathia: `CQD CQD SOS SOS CQD SOS. Come at once. We have struck a berg. Position 41.46 N., 50.14 W. CQD SOS.'` This must have been the second message.

This information was contained in a large picture book on ships. I don't have the title, unfortunately, only xeroxes of pages 125 and 128. The photograph of the message pad is on page 125.

Another book, ``QTC (I Have a Message for You)(A Seagoing Radio Officer's Scrapbook)'`, by Ray Redwood ``Sparks'' (Sequoia Press, 1989, 376pp), lists different times --- 2340 iceberg collision, 0015 first SOS, 0220 Titanic sinks. Redwood lists the first message as being sent at 0001, by Phillips, according to Bride's testimony to the New York Times (someone should look that interview up),

``CQD CQD CQD/SOS SOS SOS DE MGY MGY MGY HAVE STRUCK ICEBERG  
WE ARE BADLY DAMAGED TITANIC 41.46 N 50.14 W MASTER.'`

At 0005, Cottam, sparks aboard the Carpathia, receives,

``QSL? MY CQD/SOS, OM? COME QUICKLY WE HAVE STRUCK A BERG.'`

At 0125, Titanic to Olympic,

``ARE YOU STEERING SOUTH TO MEET US?  
WE ARE PUTTING THE WOMEN OFF IN BOATS.'`

At 0130, Titanic to SS Frankfurt,

``STAND BY KEEP QUIET.'`

At 0147, Titanic to Carpathia,

``COME AS QUICKLY AS POSSIBLE, OLD MAN. ENGINE ROOM FILLING  
TO BOILERS.'`

At 0155, Olympic to Titanic,

``LIGHTING UP ALL POSSIBLE BOILERS AS FAST AS WE CAN'`.

At 0200, Titanic to Carpathia (last message),

``COME QUICK ENGINE ROOMS FLOODED TO BOILERS''.

How accurate the above messages are, with the exception of the photograph, is mostly based upon testimony after the fact, according to the various sources that I have read.

I would love to hear from anyone with closer ties to the actual messages, as sent. I sometimes use these messages in demo presentations, and I want to try to keep them as historically accurate as possible.

I have searched high and low for many moons for exact text, and the only thing that I have ever found is the as-received message from the Birma's spark's message pad, from that photograph.

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Sheldon Wheaton <swheaton@sky.net>  
Subject: Mosley CM-1 manual needed  
Message-ID: <Pine.SOL.3.91.960508214539.5206J-100000@sky.net>

Hi guys,

Having stared at the March centerfold on the CQ classic rig calendar for a whole month, I found myself strangely attracted to this rig for the first time in my life. As luck would have it, there was one at the recent hamfest here in town, and it looks like it is right off the production line. Not the tiniest scratch anywhere, chassis is shining, speaker included. Needless to say, it is here and playing nicely.

2 questions:

1. The rig in the calendar has a white dial bezel & black upper panel, whereas mine is all gray panel, with a black bezel on the dial. Which was first/last?
2. Would someone be able to make me a photocopy of the original manual? I'd gladly pay the costs/shipping, and/or provide a copy of some other manual(s) from my collection of a couple hundred BA manuals.

73,  
Sheldon KC0CW swheaton@sky.net

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Michael Crestohl <mc@shore.net>  
Subject: Neato BA WWW Page....  
Message-ID: <199605090856.EAA29869@northshore.shore.net>

Hello Gang:

Only 29:15 left to Hosstraders.....

I took another look at a very interesting Web page that's in my bookmarks file and found that there have been a few additions since my last visit.....

It now contains a tube database link as well as one for coaxial cables. You can now look up most vacuum tubes for their specifications and characteristics, kinda like an Internet tube manual. This also links to the appropriate substitute tube types in order of their compatibility. The coax list is just that - a list of the various RG-(\*) numbers with their specs and characteristics, such as impedance, velocity factor, loss, etc. Most useful database and list to have access to. This web page also has a pretty comprehensive list of mil radio numbers and links to a list that gives a brief description of each one. This is the same list that Terry O'Laughlin compiled a few years ago.

The URL for this great addition to your bookmark file (if it isn't already there): <http://linux.cec.army.mil/htbin/billcnt/hamradio/equipment/mi.htm>

Another cool anonymous ftp site is [137.80.1.2/pub/hamradio/schematics](ftp://137.80.1.2/pub/hamradio/schematics)

You can get .gif files of many of the popular WW-II and 1950s military radio equipment there.

Enjoy!

73,

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "D.D. Todd" <dube3@n-link.com>  
Subject: Re: Need Speaker  
Message-ID: <319191E2.7F47@mail.n-link.com>

Bob Roehrig wrote:

>



> On Tue, 7 May 1996, D.D. Todd wrote:

>

> > A 10-inch speaker is not necessarily a woofer by existence;  
> > only by application. That is, when you feed it with some device  
> > that blocks all but the lower frequencies it becomes a "woofer".  
> > Anyway, almost all 10-inch speakers (even if they are billed as  
> > "woofers") will do very well in a communications application if  
> > fed with the entire range of audio frequencies.

>

> I must take issue on this topic. What you say is true of the older  
> "low compliance" speakers common up thru the 50's (some even later).

I agree with Bob's point. Note that I said "not necessarily". I realize that there are some true woofers in existence. I think that the mass factor in heavy high-power voice coil windings would have more to do with the high-freq limits than compliance, however. My point was directed to those systems that don't use these specialized devices, which, I suspect, comprise the majority of speaker systems.

73,

Dube Todd

AB5AP

dube3@n-link.com

The wear on a hypothesis is proportional to the distance of the extrapolation from the experimental results.

From boatanchors@theporch.com Wed May 8 23:34:09 1996

From: Morris Odell <morriso@vifp.monash.edu.au>

Subject: noise cancelling devices

Message-ID: <199605090145.LAA24194@vifp.monash.edu.au>

Hi gang,

I wonder whether anyone can give me(us) some advice regarding this topic, especially whether such devices were ever available in BA form or conversely how one could be built using tube technology. I refer to those circuits that use a noise sampling antenna and then attempt to cancel the noise form the signal ahead of the antenna input to the receiver.

thanks

Morris Odell VK3DOC Melbourne, Australia  
morriso@vifp.monash.edu.au

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: noise cancelling devices  
Message-ID: <Pine.ULT.3.91.960509084541.29749A-100000@admin.aurora.edu>

On Wed, 8 May 1996, Morris Odell wrote:

> Hi gang,  
>  
> I wonder whether anyone can give me(us) some advice regarding this topic,  
> especially whether such devices were ever available in BA form or  
> conversely how one could be built using tube technology. I refer to those  
> circuits that use a noise sampling antenna and then attempt to cancel the  
> noise form the signal ahead of the antenna input to the receiver.

I see such a circuit in my 10th edition of the "Radio Handbook" (1946).  
It consists of 3 variable caps and a center-tapped coil, which is the  
receiver input. The circuit is quite simple:

Draw 3 caps in series (C1, C2, C3). The junction of C1/C2 goes to the  
signal antenna. The junction of C2/C3 goes the the noise antenna. The  
unconnected ends of C1 and C3 go to the receiver input coil. Center  
tap of the coil goes to ground.

It says that the coil is 4 turns of wire, 2 inches diameter, slipped over  
the input coil in the receiver.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: noise cancelling devices  
Message-ID: <9605091456.AA101199@csemail.cropsci.ncsu.edu>

>  
> Hi gang,  
>  
> I wonder whether anyone can give me(us) some advice regarding this topic,  
> especially whether such devices were ever available in BA form or  
> conversely how one could be built using tube technology. I refer to those  
> circuits that use a noise sampling antenna and then attempt to cancel the  
> noise form the signal ahead of the antenna input to the receiver.  
>  
> thanks  
>

> Morris Odell VK3DOC Melbourne, Australia  
> morriso@vifp.monash.edu.au  
>

Look at TM 11-800 (I think that is the number) for the BC-312/342 equipments, and the design and theory is well covered there, since it was used in some of the early models of those receivers. It was taken out of the -C or -D models and later, for some reason, probably cost, possibly function, possibly complexity.

The famous John Reinartz, designed a circuit about 1929 or so that supposedly did noise cancelling by phasing inputs. It has been a year or two since I have seen his article in Radio News, but it might be fairly easy to find. If my memory serves me correctly, it was done with regenerative detectors. I think it is also covered in Collins' The Radio Amateur's Handbook, from the mid 30's, but I am not sure on that in particular.

That is all I can remember right off. Maybe others have that info off the tops o' their noggins.....(:+{}.....

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: Re: noise cancelling devices  
Message-ID: <2.2.32.19960509155815.006e310c@sprynet.com>

At 08:52 AM 5/9/96 -0500, Bob Roehrig wrote:

>On Wed, 8 May 1996, Morris Odell wrote:

>

>> Hi gang,

>>

>> I wonder whether anyone can give me(us) some advice regarding this topic,  
>> especially whether such devices were ever available in BA form or  
>> conversely how one could be built using tube technology. I refer to those  
>> circuits that use a noise sampling antenna and then attempt to cancel the  
>> noise form the signal ahead of the antenna input to the receiver.

>

>I see such a circuit in my 10th edition of the "Radio Handbook" (1946).  
>It consists of 3 variable caps and a center-tapped coil, which is the  
>receiver input. The circuit is quite simple:

Fooy, I thought I'd be the only one to remember that circuit. I built it a few years ago and it does work but is very, as the British say, "fiddly".

Don't forget the noise blanker for the Collins KWM2 that used a separate sense antenna in the VHF range, where they believed vehicle engines were noisiest.

Also in the last few editions of Ken Cornell's Low and Medium Frequency Handbook there's a circuit in which three slug tuned type coils were mounted in line for mutual coupling and set up similar to the Radio Handbook's circuit above.

-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: odd R-388 serial number "C36"  
Message-ID: <9605082018.AA01805@kali>

I just thought I'd mention that my R-388, which is from the 3357-PHILA-52 Collins contract, is serial number C36. Yes, C! I have checked and it doesn't appear to be a mis-engraved zero on the ID plate... I have had this since 1982 and though the front panel was refinished I assume the plate is original.

Any guesses as to what 'C' might mean? I might say "custom" but there seems to be nothing unusual about it. It does have the front panel break-in switch as opposed to the speaker jack.

73,  
--Andy  
wallace@mc.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "Integration Area" <integrat@usr.com>  
Subject: Old Navy tubes  
Message-ID: <9604098316.AA831653979@robogate.usr.com>

I am still looking for old Navy tubes with the pre-1939 numbering systems. These have five digit numbers, all starting with 38. For example, an RCA 803 would be tagged CRC-38803, a Westinghouse 860 would be CAY-38160, and a Sylvania 47 would

be CHS-38047.

I really need a bunch (!) of 38027s (27s), as well as some 38024s (24s) and 38056s (56s). The manufacturer (the C\*\* prefix) really does not matter, although I would like RCAs (CRCs). Of course, I would be interested in any other class 38 tubes as well.

I just picked up a REALLY BIG Navy receiver, and unfortunately most of the original tubes are gone! Sure, the commercial and WW2 military replacements will work, but that is no fun.

William Donzelli  
integrat@usr.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: john <johnmb@nando.net>  
Subject: Radio World article on vintage radio  
Message-ID: <9605091039.AA11709@nando.net.nando.net>

The latest Radio World mag (for the broadcast industry) has an interesting article about hi-fi AM, and vintage gear.  
/john

-----  
John Brewer johnmb@nando.net  
WB50AU/4 AMI #24  
Vintage Gear web page: <http://www.zynet.com/~johnb>  
-----

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: Re: rare find redux  
Message-ID: <2.2.32.19960509155832.006f47ac@sprynet.com>

Thanks, everyone who responded and everyone with the patience to read the description. The Radio Shack DX-75 was sold to the first offer and a good home.

-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Wed May 8 23:34:09 1996

From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Regarding the Titanic (long)  
Message-ID: <9605082231.AA100491@csemail.cropsci.ncsu.edu>

>  
> Boatanchorites & Clickers,

What is the keyclicks list? Never heard of that before, is this something new?

> In some e-mail exchanges with Boatanchor Bob, NA4G, the  
> subject came up regarding the actual calls made by Titanic's  
> chief operator, Phillips, and his assistant, Bride, after the  
> ship struck the iceberg. I did some quick research on this and  
> thought that my findings might be of interest to both groups, so  
> here they are.

>  
> \*\*\*\*\*  
>

> ..... Immediately Phillips turned  
> to the operating key and sent out the general distress call CQD  
> six times followed by the Titanic's call sign MGY and the  
> vessel's approximate position. Then he sent:

> 'Have struck an iceberg. We are badly damaged. Titanic  
> position 41 degrees 44 minutes north 50 degrees 20 minutes  
> west.'"

This must have been the first call sent. It is the one I have seen most often quoted or paraphrased.

> ..... started to send out the revised distress call.  
>  
> 'CQD CQD SOS SOS CQD SOS. Come at once we have struck a  
> berg. CDQ OM, position 41 degrees 46 minutes north 50  
> degrees 14 minutes west, CQD SOS'"

This must have been the second call sent. I have a xerox of the operators message pad from the Russian steamer ``Birma'' that has this almost exact message handwritten upon it. I will make a mental note to pull it out and type it in in a following email. The format is slightly different, and the CQD OM is missing, and shorthand notations were used (were they sent in shorthand or longhand?).

> \*\*\*\*\*  
>  
> ..... USS Chester:  
>

> "They knew American Morse but not Continental Morse  
> sufficient to be worth while. They taxed our endurance to  
> the limit. I had to cut them out at last, they were so  
> insufferably slow....."  
>  
> and  
>  
> "The navy operators were a great nuisance. I advise  
> them all to learn the Continental Morse and to learn to  
> speed up in it if they ever expect to be worth their salt.  
> The Chester's man thought he knew it, but he was as slow as  
> Christmas coming."

There were three different sets of ``Morse code'' in common use then,  
in the English speaking countries, not counting the Japanese, Cyrillic,  
and other odd dialects.

1. American Morse
2. Continental Morse
3. U.S. Naval Morse

They can be found in one of the older issues of the Society of Wireless  
Pioneers newspapers. I will make a mental note to pull that one to and  
type it in for the record. There are enough minor differences to have  
made for some interesting crosscoding of characters. It seems that by  
the time WWI rolled around, everyone had settled into Continental Morse,  
at sea, excepting the dialects for Japanese Morse, Cyrillic Morse, and one  
or two others. Probably this was a result of the Titanic affair.

> 73,  
> Paul, K4MSG ZUT!

Great info Paul.... Makes boatanchorin' fun, and historical.

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Bill Strangfeld <bstrang@iac.net>  
Subject: RME speaker taken  
Message-ID: <Pine.SUN.3.91.960509153707.3942A-100000@little-miami.iac.net>

The RME-69 speaker case is taken. There were six responses. I'll save  
them in case the first in line changes his mind. Thanks for the interest!

Bill Strangfeld  
bstrang@iac.net

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: Andy Howard WA4KCY <102452.362@CompuServe.COM>  
Subject: Six Meter Lunchbox Wanted  
Message-ID: <960509035631\_102452.362\_DHT48-1@CompuServe.COM>

Hi BA Folks,

I am looking for the Six Meter Benton Harbor Lunchbox. The model number is HW-29A. I have the HW-29 which I believe was the first Sixer built and it used overtone crystals. I need the HW-29A which is supposed to be more common.

Thanks,

Andy Howard, WA4KCY

"Those who live in the Lord never have to worry  
about saying goodbye for the last time."

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: bhall@GP802.jsc.nasa.gov (Hall, Benjamin D.)  
Subject: Thanks!  
Message-ID: <1996May09.110419.1425.471257@jsc-ems-hub02.jsc.nasa.gov>

Hello everyone...

Just wanted to drop y'all a note of thanks for all the suggestions on BA's to use on VHF to listen to shuttle audio. I have decided to pursue the transceiver route.

Someone on BA (since I am at work I don't have the name, I forwarded the mail home and deleted it here) has a suitable transceiver that was used on military vehicles, and is crystal controlled. (I'll have to get a crystal cut, anyone have JAN XTALS number or is it just 1-800-JAN-XTAL?) Power is 28VDC to a dynamotor, and if the unit is suitable (which I think it will be) I probably will leave the dynamotor on it but build a sand-state power supply for it to run off AC, due to the fact that the dynamotor will generate all sorts of RFI hash, and I am in a location in close proximity to several shuttle simulators that are RFI sensitive.



Seems like it should work really well. Thanks again to everyone!

73,

Ben

---

BHall@GP802.JSC.NASA.GOV

BDHall@GHGCorp.COM

From boatanchors@theporch.com Thu May 9 15:38:07 1996

From: "JOHN A. KING (WA1ABI)" <JAK@SUD2.ED.RAY.COM>

Subject: Re: Valiant Drift / VFO resistor

Message-ID: <01I4I0ICMJRM9380DC@SUD2.ED.RAY.COM>

Much has been batted about here lately about the 18K dropping resistor in the Ranger/Valiant VFO. It might be a good idea to move it below decks, but it is definitely a Good Idea to change it to a wirewound type. The two failures I have seen in this VFO is the original 2W carbon resistor failing by changing to a drastically lower value ( < 100 ohms.) The result is the classic 'Ranger meltdown.' The VR tube gets hot enough to scorch the phenolic board around it - my Valiant II's board actually caught fire before the tube sucked in. No, carbon resistors don't always fail open or higher value!

Its a small chore to change out the carbon resistor, but probably well worth the effort the next time you pull the long bolts out of your Ranger or Valiant.

73,

John King WA1ABI Portsmouth, RI

From boatanchors@theporch.com Thu May 9 10:38:44 1996

From: "TOM CLINTON" <TOM\_CLINTON\_at\_AS0200@mail.hq.faa.gov>

Subject: Valiant drift problem

Message-ID: <9604098316.AA831658184@mail.hq.faa.gov>

Thanks to all respondents to my problem of Valiant VFO drift. Everyone had the same fix - that of replacing and relocating R3, the screen dropping resistor for the VFO tube. All reported that R3 was "woefully" under rated (its a 2 watt), and recommended replacement with a 10 watt wirewound. Since the

resistor connects B+ (300 volts) to an OA2 (150 volt) reg tube, the power dissipated should be constant and can be easily calculated to be 1.25 watts (R3 is 18,000 ohms). Even though the Johnson designer could have been more conservative, a 2 watt resistor seems like a reasonable choice. The only problem I can see is if the VFO tube screen should draw enough current (short?) to drag the voltage below the 150 volt regulating value of the OA2. A direct short of the screen would cause 5 watts of dissipation in R3 and probably its demise, but then any catastophic failure in any boatanchor will usually wipe out something.

At any rate, it seems like a good idea to remove R3 from the VFO enclosure to get rid of its heat and I plan to do that as soon as I can get the time.

Thanks again to the group!

Tom, AD4ML

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: jlyle@netcom.com (Jim Lyle)  
Subject: Re: Valiant drift problem  
Message-ID: <199605091459.HAA06659@netcom.netcom.com>

> to be 1.25 watts (R3 is 18,000 ohms). Even though the Johnson  
> designer could have been more conservative, a 2 watt resistor  
> seems like a reasonable choice.

Remember that the resistor is NOMINALLY 18K, but might be +/-10% or even 20%. So too will the power it dissipates. Also, is your +300V REALLYi +300V, or is it +330, or more? I routinely find the voltages inside my radios higher than spec, because the line voltages are higher than what they were designed for.

Most importantly, though, the power ratings here probably assume standard conditions something like room temperature, with adequate airflow. In a closed chassis with lots of tubes, you've got to derate things. Otherwise, MTBF suffers (and maybe more).

Jim Lyle

From boatanchors@theporch.com Thu May 9 15:38:07 1996

From: jproc@worldlinx.com  
Subject: VT to JAN Cross Reference  
Message-ID: <Chameleon.4.01.2.960509121939.jproc@>

Dear BA'ers,

In reference to the recent posts about VT to JAN cross references, there is a file that I posted to the archives a while back that provides a cross reference for the most common VT types. I don't have the exact file name handy but it should read as 'VT-JAN Crossref' or something like that. Its not as comprehensive as other files, but its easy to download and display.

Regards,

-----  
Jerry Proc, VE3FAB  
Radio Restoration Volunteer  
HMCS Haida  
E-mail: jproc@worldlinx.com  
Toronto, Ontario  
-----

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: jerry\_kovacs@om.cv.hp.com  
Subject: VT-52 and other VTtube xref  
Message-ID: <H0001660104ab381@MHS>

Item Subject: Text\_1

Is there a tube cross reference for the mil designation VT to regular numbers? Are they the same?

I am thinking of like a VT-52 mil tube being a 45. Are they the same or close?

tnx,  
Jerry            j\_kovacs@om.cv.hp.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "Integration Area" <integrat@usr.com>  
Subject: Re: VT-52 and other VTtube xref  
Message-ID: <9604098316.AA831653944@robogate.usr.com>

Just a reminder (and perhaps new information to those that just joined) that the Boatanchor archives hold an ASCII'd \*Cross Index of Electron

Tube Types\*. This document is a handy list of (nearly?) every tube the military used up to 1950 or so, including a Signal Corps VT- reference. I never counted the number of entries, but it must be several thousand. The entire document is around 120 pages. Each tube listing contains the official Navy number, similar or replacement types, stock numbers, allowances, function, and misc. notes.

The index is FULL of errors. These are not my fault, nor the scanner/OCR software's fault either. Ray Mote has always talked about mistakes showing up in government documents. This one was most likely built up from previous listings, with each transcription bringing on more errors. After the OCR software produced all of the text files, I carefully proofread every line. All of the OCR errors were corrected, original typos were not! The ASCII file is an accurate copy of the printed one! In hindsight, I should have started an errata list.

This file is quite large. Uncompressed, the file is just over a million bytes, so be sure to use a modern editor to view it. Most older editors have a limited buffer - in the PC world it works out to be 300K or so. You also want to be sure to use an editor capable of long lines without annoying wraparound, as each page has \*more\* than 80 columns and 55 rows.

While the \*Cross Index\* is not great reading, it is a very valuable reference. Having the capability to search, cut, and paste with a text file is far more handy than just a paper copy.

To get the file, send a message to

`listproc@thePorch.com`

Leave the subject blank. In the text portion, type:

`get boatanchors tube.cross.ref`

The file will arrive later in sixteen parts. Simply cut and paste the bits together in the proper order.

If you want a printed copy of the \*Cross Index\*, I suggest you purchase one from Fair Radio Sales. Save the wear and tear on your printer (and quite a bit of paper/toner/ink as well). They have a copy for a reasonable amount, and those guys are just good eggs anyway.

William Donzelli  
`integrat@usr.com`

From boatanchors@theporch.com Wed May 8 23:34:09 1996  
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>  
Subject: VT-tubes  
Message-ID: <960509032749\_75121.100\_FHI35-1@CompuServe.COM>

HI Jerry!

Last year I entered into my computer a text file with all the VT replacements I could find. I am sending it to you attached to this file. It is called vt-tubes.txt. Hope it helps. Some are the same number, some are not...mostly not. The following are examples.

VT-44 32  
VT-45 45<  
VT-46 866  
VT-47 47  
VT-52 Special 45<  
VT-68 6B7T  
VT-70 6F6

and so on See file and print it out for reference.

Raymond Cote  
75121.100@compuserve.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: robert fowle <hammarlund@voyager.net>  
Subject: want to find for TS-520S (it has tubes )  
Message-ID: <199605090442.AAA24621@vixa.voyager.net>

would like to find the 2M & 6M converters for this unit, & other acc's.  
Anybody have them and want to make some type of trade, or something?

thanX's

=====] -[->  
Robert Fowle KC8DBC  
The HAMMARLUND Historian  
Ph. voice or fax 517-789-6721  
1215 Winifred  
Jackson, Mich. 49202-1946  
E-mail at: hammarlund@vixa.voyager.net  
HAMMARLUND LITERATURE WANTED  
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT  
=====] -[->

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: Why?  
Message-ID: <88753.ddillman@igc.apc.org>

On Wed, 8 May 1996 03:32:10 -0500 (CDT),  
Jeffrey Herman <jherman@hawaii.edu> wrote:

>But I had a hell of a time  
>staying awake from 3 to 6. Sometimes I'd fade out for a few  
>seconds or minutes and the code would actually become part of  
>a dream - the code signals would become like balls of lightning  
>in my dream - really weird...

Jeff, you may be interested to know, if you haven't come across it,  
that there's a odd story in an early QST (on my shelf here somewhere)  
called "The Night Trick At KPH" or something very similar. It's about  
a new op all alone for the dawn patrol at KPH who starts thinking the  
condenser box in the next room is really a coffin, etc. But \*then\* he  
steps outside and sees the signals from all the other stations - KFS,  
NMC, KTK, etc., streaking across the sky like... balls of lightning!  
Just like your dream. He could even copy 'em.

<Twilight Zone music fades in here...>

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: Jeffrey Herman <jherman@hawaii.edu>  
Subject: Re: Why?  
Message-ID: <Pine.SV4.3.91.960508205328.16332A-1000000@uhunix5>

On Wed, 8 May 1996, Dick Dillman wrote:

> Jeffrey Herman <jherman@hawaii.edu> wrote:  
> >But I had a hell of a time  
> >staying awake from 3 to 6. Sometimes I'd fade out for a few  
> >seconds or minutes and the code would actually become part of  
> >a dream - the code signals would become like balls of lightning  
> >in my dream - really weird...  
> Jeff, you may be interested to know, if you haven't come across it,  
> that there's a odd story in an early QST (on my shelf here somewhere)  
> called "The Night Trick At KPH" or something very similar. It's about

> a new op all alone for the dawn patrol at KPH who starts thinking the  
> condenser box in the next room is really a coffin, etc. But \*then\* he  
> steps outside and sees the signals from all the other stations - KFS,  
> NMC, KTK, etc., streaking across the sky like... balls of lightning!  
> Just like your dream. He could even copy 'em.  
> <Twilight Zone music fades in here...>

I read that article in World Radio (a sort of newspaper magazine) -  
in his dream he saw streaks of Morse lightning in the sky. A shiver  
went up my back when I read that (that "deja vu" feeling).

Next time your XYL is gone for the night (say, visiting relatives)  
keep some CW turned on while you sleep and see what kind of dreams  
you encounter!

As an aside, there was a funny thread on one of the newsgroups of folks  
hearing Morse emanating from the oddest sources: Refrigerators, air  
conditioning units, crickets chirping at night... The mind is a  
strange thing!

Jeff KH2PZ

From boatanchors@theporch.com Thu May 9 15:38:07 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: Re: Why?  
Message-ID: <2.2.32.19960509155805.006d8048@sprynet.com>

At 02:08 AM 5/9/96 -0500, Jeffrey Herman wrote:

>As an aside, there was a funny thread on one of the newsgroups of folks  
>hearing Morse emanating from the oddest sources: Refrigerators, air  
>conditioning units, crickets chirping at night... The mind is a  
>strange thing!

And sometimes, after a phone QSO, tuning around in the noise, I hear voices  
emanating out of random patterns in the noise.

-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Thu May 9 10:38:44 1996  
From: ferraro@ix.netcom.com (Michael Ferraro )  
Subject: WTB: WRL Catalogs  
Message-ID: <199605091206.FAA24483@dfw-ix9.ix.netcom.com>

I'm looking for WRL catalogs and the original WRL U.S. wall Map or any WRL advertising.

73 de Mike K6ZSR